



Department of Public Utilities

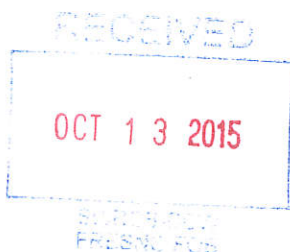
Water Division
1910 East University Avenue
Fresno, California 93703-2927
559-621-5300 – FAX 559-488-1024
www.fresno.gov



Providing Life's Essential Services

7 Oct 2015

Kassy D. Chauhan, P.E.
District Engineer – Merced District
State Water Resources Control Board
Division of Drinking Water
265 W. Bullard Ave., Suite 101
Fresno, CA 93704



POSTED

SUBJECT: SUMMER 2015 LEAD AND COPPER SAMPLING RESULTS

Dear Mrs. Chauhan:

Attached are the results from the Lead and Copper monitoring performed at residential locations by the City of Fresno during Summer 2015. All samples were collected by the residents during the week of August 10th. City staff delivered sample kits to 55 customers on the 10th with instructions to collect the "first draw" sample from their kitchen sink the very first thing in the morning. Of the 55 kits delivered to residents, 54 were collected over the next five days easily meeting the required 50 samples. All 54 samples were delivered as a single group to BSK Labs on August 17th.

The City of Fresno's sample results did not exceed the action level for lead or copper with the 90th percentile samples.

All results for lead were none detect but there were 31 results for Copper. The method of calculating the 90th percentile for Copper was $54 \text{ samples} \times .90 = 48.6$ which landed between 0.25 and 0.26 mg/l on the sorted list of results. The average of which is 0.255 mg/L, well below the action level of 1.3 mg/L.

Fresno's water distribution system continues to be significantly below the EPA/DDW action level for both lead and copper. Accordingly, after nine consecutive rounds of sampling significantly below the action levels it is interpreted that the next round of testing be resumed in the summer of 2018. Please provide, at your convenience, written confirmation of your concurrence.

Sincerely,

Robert C. Little
Water Production Supervisor 1

RCL:rcf

H:\Correspondence\DDW\reports\2015\2015Lead-Copper cover.doc

cc: Chron File

LEAD AND COPPER RULE SAMPLING REPORT

System's Name: _____ City of Fresno, Water Division

Type: ☒ CWS ☐ NTNCWSAddress: _____ 1910 E. University Ave.
_____ Fresno, Ca 93703Size: ☒ >100,000
☐ 50,001 to 100,000
☐ 10,001 to 50,000
☐ 3,301 to 10,000
☐ 501 to 3,300
☐ 101 to 500
☐ ≤ 100

Telephone Number: _____ 559-621-5355

System ID Number: _____ 1010007

Contact Person: _____ Robert Little

Sample Date(s): _____ 11 ~ 16 Aug 2015

SAMPLE SITE IDENTIFICATION

Number of sample sites in each category:

- Single-family structures with copper pipes with lead solder installed after 1982; or lead pipes; or lead service lines. _____130_____
 - Multi-family structures with copper pipes with lead solder installed after 1982; or lead pipes; or lead service lines. _____1_____
 - Buildings containing copper pipes with lead solder installed after 1982; or lead pipes; or lead service lines. _____0_____
 - Single family structures with copper pipes with lead solder installed before 1983. _____0_____
- Total: _____131_____

Number of lead service lines present in the distribution system: _____0_____

Number of samples collected from sites served by lead service lines: _____0_____

The following sources have been explored to determine the number of structures which have interior lead pipe or copper pipe with lead solder:

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Plumbing and/or building codes.
<input checked="" type="checkbox"/> Plumbing and/or building permits.
<input checked="" type="checkbox"/> Contacts with the building department, municipal clerk's office, or state regulatory agencies.
<input checked="" type="checkbox"/> Water quality data. | <input checked="" type="checkbox"/> Interviews with building inspectors
<input checked="" type="checkbox"/> Survey of service area plumbers about when and where lead solder was used from 1982 to present.
<input checked="" type="checkbox"/> Survey of residents.
<input checked="" type="checkbox"/> Interviews with local contractors & developers. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

The following sources have been explored to determine the number of lead service lines in the distribution system:

- ☒ Distribution system maps and record drawings.
- ☒ Capitol improvement plans and/or master plans for distribution system development.
- ☒ Standard operating procedures and/or operation & maintenance manuals for the types of materials used for service connections.
- ☒ Utility records including meter installations, customer complaint investigations .
- ☒ Water quality data.
- ☒ Interviews with senior personnel.
- ☒ Conduct service line sampling where lead service lines are suspected to exist.
- ☒ Review of permit files
- ☒ Survey of residents.
- ☒ Interviews with local pipe supplies, contractors and/or developers.

RESULTS OF SAMPLING**Results of Lead And Copper Tap Water Samples:** *(Attach copy of all results to this form.)*Number of tap samples required: 50 90th Percentile Lead level: 0 mg/LNumber of tap samples collected & submitted: 54 90th Percentile Copper level: 0.255 mg/L**Results of Water Quality Parameter (WQP) Samples:** *(Complete only if system is required to collect WQP samples.)*

Number of WQP samples required to be collected: _____

Number of WQP samples collected & submitted: _____

Number of WQP entry point samples required to be collected: _____

Number of WQP entry point samples collected and submitted _____

CERTIFICATION OF COLLECTION METHODS**I certify that:**

- Each first draw tap sample for lead and copper is one liter in volume and has stood motionless in plumbing system of each sampling site for at least six hours.
- Each first draw sample collected from a single-family residence has been collected from the cold water kitchen tap or bathroom sink tap.
- Each first draw sample collected from a non-residential building has been collected at an interior tap from which water is typically drawn for consumption.
- Each first draw sample collected during an annual or triennial monitoring period has been collected in months of June, July, August, or September.
- Each resident who volunteered to collect tap water samples from his or her home has been properly instructed in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of those sampling results.
- Enclosed is a copy of the material distributed to residents explaining the proper collection methods, and a list of the residents who performed sampling.

CHANGE OF SAMPLING SITES

Original site address: _____

New site address: _____

Distance between sites (approximately): _____

Targeting Criteria:	New Site:	<input type="checkbox"/> Tier 1	Old Site:	<input type="checkbox"/> Tier 1
		<input type="checkbox"/> Tier 2		<input type="checkbox"/> Tier 2
		<input type="checkbox"/> Tier 3		<input type="checkbox"/> Tier 3

Reason for sample site change: _____

SIGNATURE: _____**DATE:** _____7 Oct 2015Robert C Little JrWater System Supervisor 1 - WQ

Print Name

11 August 2015 - 16 August 2015

CITY OF FRESNO WATER DIVISION
Summer 2015 Lead & Copper Sample Event

Water System	Sampling Point	Collection Date	Copper (total)	Lead (total)
			Lab Data Transfer mg/L	Lab Data Transfer mg/L
City of Fresno	(b) (6)	08/12/2015	ND	ND
City of Fresno		08/12/2015	ND	ND
City of Fresno		08/11/2015	ND	ND
City of Fresno		08/12/2015	ND	ND
City of Fresno		08/12/2015	ND	ND
City of Fresno		08/11/2015	ND	ND
City of Fresno		08/11/2015	ND	ND
City of Fresno		08/12/2015	ND	ND
City of Fresno		08/11/2015	ND	ND
City of Fresno		08/11/2015	ND	ND
City of Fresno		08/12/2015	ND	ND
City of Fresno		08/12/2015	ND	ND
City of Fresno		08/12/2015	ND	ND
City of Fresno		08/11/2015	ND	ND
City of Fresno		08/12/2015	ND	ND
City of Fresno		08/12/2015	ND	ND
City of Fresno		08/11/2015	ND	ND
City of Fresno		08/11/2015	ND	ND
City of Fresno		08/11/2015	ND	ND
City of Fresno		08/11/2015	ND	ND
City of Fresno		08/13/2015	ND	ND
City of Fresno		08/12/2015	ND	ND
City of Fresno		08/11/2015	0.052	ND
City of Fresno		08/12/2015	0.053	ND
City of Fresno		08/12/2015	0.060	ND
City of Fresno		08/12/2015	0.072	ND
City of Fresno		08/12/2015	0.077	ND
City of Fresno		08/12/2015	0.083	ND
City of Fresno		08/13/2015	0.084	ND
City of Fresno		08/12/2015	0.094	ND
City of Fresno		08/12/2015	0.096	ND
City of Fresno		08/12/2015	0.100	ND
City of Fresno		08/12/2015	0.100	ND
City of Fresno		08/12/2015	0.110	ND
City of Fresno		08/12/2015	0.110	ND
City of Fresno		08/13/2015	0.110	ND
City of Fresno		08/12/2015	0.110	ND
City of Fresno		08/14/2015	0.110	ND
City of Fresno		08/11/2015	0.130	ND
City of Fresno		08/12/2015	0.130	ND
City of Fresno		08/11/2015	0.170	ND
City of Fresno		08/14/2015	0.170	ND
City of Fresno		08/12/2015	0.190	ND
City of Fresno		08/11/2015	0.200	ND
City of Fresno		08/12/2015	0.210	ND
City of Fresno		08/12/2015	0.230	ND
City of Fresno		08/16/2015	0.250	ND
City of Fresno		08/12/2015	0.260	ND
City of Fresno		08/11/2015	0.270	ND
City of Fresno		08/11/2015	0.280	ND
City of Fresno		08/11/2015	0.280	ND
City of Fresno		08/12/2015	0.340	ND
City of Fresno		08/12/2015	0.380	ND